

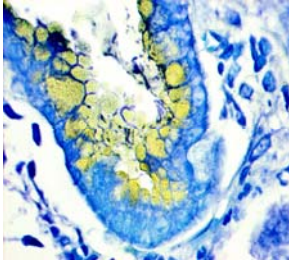


M I C R O S Y S T E M S

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Revised: 2012/04/07

ALCIAN YELLOW RAPID HELICOBACTER STAIN KIT PROCEDURE



ITEM CODE: TBD

KIT YIELD: 4 separate uses, 6 runs x 30 slides each use.

KIT INCLUDES: 400ml Periodic Acid Solution, 400ml Sodium Metabisulfite Solution, 2x400ml Alcian Yellow Solution, 4x1ml Working Solution A, 4x4ml Working Solution B

DEMONSTRATION: Helicobacter pylori bacteria blue and mucin yellow against contrasting blue background.

SPECIMEN CRITERIA: Any well fixed paraffin embedded tissue cut at 3-4 microns.

CONTROL ORGANISM/TISSUE: Helicobacter Pylori

EXPIRATION NOTE: Use Sodium Metabisulfite Solution and Working Solution Mixture within 3 hours of first use. Use all other solutions and discard within 6 hours of first use or 6x30 slide runs, whichever occurs earlier.

REFERENCE: The Journal of Histotechnology; Vol 19, No 2; 1996, 131 - 132.

PREPARATION:

1. Deparaffinize slides with Xylene or Xylene Substitute, Hydrate through alcohols, and Rinse in Tap water.
2. Ensure that there are at least 4 open baths plus a tap water rinsing bath configured on the Leica ST5020 Autostainer.
3. Pour 100ml of **PERIODIC ACID SOLUTION** into the first available bath, 1, and add 300ml of Distilled Water.
4. Pour 100ml of **SODIUM METABISULFITE SOLUTION** into the second available bath, 2, and add 300ml of Distilled Water.
5. Pour 200ml of **ALCIAN YELLOW SOLUTION** into the third available bath, 3, and add 200ml of Distilled Water.
6. Pour 1x1ml container of **WORKING SOLUTION A** into the fourth available bath, 4, and add 400ml of Distilled Water.
 - a. Immediately prior to use, pour 1x4ml vial of **WORKING SOLUTION B** into bath 4 and mix thoroughly.

PROCEDURE:

1. Place slide in **BATH 1 – PERIODIC ACID SOLUTION** for 10 minutes.
2. Rinse slide thoroughly in Tap water bath for 1 minute.
3. Place slide in **BATH 2 – SODIUM METABISULFITE SOLUTION** for 5 minutes.
4. Rinse slide thoroughly in Tap water bath for 2 minutes.
5. Place slide in **BATH 3 – ALCIAN YELLOW SOLUTION** for 5 to 10 minutes.
6. Rinse slide thoroughly in Tap water bath for 1 minute.
7. Place slide in **BATH 4 – WORKING SOLUTION MIXTURE** for 3 to 5 minutes.
8. Rinse slide thoroughly in Tap water.
9. Dehydrate slides quickly through 2 changes of fresh Absolute Alcohol.
10. Clear through 3 changes of Xylene or Xylene Substitute.
 - a. To retain maximum intensity, skip dehydration/clearing steps, air dry slides then dip in one change of fresh Xylene/Substitute prior to coverslipping.

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